## What is claimed is:

1. A construct for downmodulating an immune response in a subject, said construct comprising an exposed surface, wherein said exposed surface has attached to it i) an antigenbinding portion of an antibody that binds to a CTLA-4 molecule that is expressed on a T cell of the subject, and ii) an MHC molecule selected from the group consisting of: a class II molecule that is syngeneic to the subject, a class I molecule that is syngeneic to the subject, and a class I molecule that is allogeneic to the subject.

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- 2. The construct of claim 1, wherein the antigen-binding portion is a single chain Fv (scFv) molecule.
- 3. The construct of claim 1, wherein the single chain Fv (scFv) molecule binds to human CTLA-4.
- 4. The construct of claim 2, wherein the scFv molecule is humanized.
- 5. The construct of claim 1, wherein the antigen binding cleft of the MHC molecule comprises a peptide for which the immune response is specific.
  - 6. The construct of claim 1, wherein the construct comprises a lipid bilayer.
  - 7. The construct of claim 6, wherein the construct is an acellular construct.

- 8. The construct of claim 6, wherein the construct is a cell.
- 9. The construct of claim 8, wherein the cell is a eukaryotic cell.
- 30 10. The cell of claim 9, wherein the cell is syngeneic to the subject.

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- 11. The cell of claim 9, wherein the cell is allogeneic to the subject.
- 12. The construct of claim1, wherein the antigen-binding portion of an antibody that
  5 binds to a CTLA-4 molecule is attached to the exposed surface via a phosphatidylinositol-glycan anchor.
  - 13. The construct of claim 1, wherein the antigen-binding portion of an antibody that binds to a CTLA-4 molecule is attached to the exposed surface via a transmembrane domain.
  - 14. The construct of claim 1, wherein the antigen-binding portion of an antibody that binds to a CTLA-4 molecule is attached to the exposed surface via a chemical linkage.
  - 15. The construct of claim 1, wherein the construct does not bind to CD28.
  - 16. A method of downmodulating a primary immune response in a subject comprising administering the construct of claim 1 to the subject such that an immune response in the subject is downmodulated.
- 20 17. A method of downmodulating an ongoing immune response in a subject comprising administering the construct of claim 1 to the subject such that an immune response in the subject is downmodulated.
- 18. A method of downmodulating a immune response in a subject comprising causing a cell of the subject to express an antigen-binding portion of an antibody that binds a CTLA-4 molecule, the CTLA-4 molecule that is expressed on a T cell of the subject, such that the immune response in the subject is downmodulated.
- 19. The method of claim 18, wherein the antigen-binding portion is a single chain Fv30 (scFv) molecule.

- 20. The method of claim 19, wherein the wherein the single chain Fv (scFv) molecule binds to human CTLA-4.
- 5 21. The method of claim 19, wherein the the scFv molecule is humanized.
  - 22. The method of any one of claims 16-18, wherein the immune response is against an self antigen.
- 10 23. The method of any one of claims 16-18, wherein the immune response is against an non-self antigen.
  - 24. The method of any one of claims 16-17, wherein the immune response is against an allogeneic antigen.
  - 25. The method of any one of claims 16-18, wherein the immune response is mediated by CD4+ T cells.
- 26. The method of any one of claims 16-18, wherein the immune response is mediated by 20 CD8+ T cells.
  - 27. The method of claim 18, wherein the cell is a professional antigen presenting cell.
- 28. The method of claim 18, wherein the cell is further caused to express an MHC class I or an MHC class II molecule.
  - 29. The method of claim 18, wherein the cell is transfected with a nucleic acid molecule encoding the antigen-binding portion of an antibody that binds CTLA-4.
- 30 30. The method of claim 29, wherein the cell is transfected ex vivo.

- 31. The method of claim 29, wherein the cell is transfected in vivo.
- 32. A method of preparing an allogeinc cell for transplantation into a subject comprising
   5 causing the allogeneic cell to express an antigen-binding portion of an antibody that binds a
   CTLA-4 molecule expressed on a T cell of the subject to thereby prepare an allogeneic cell for transplantation into a subject.
- 33. A method of transplanting an engineered allogeinc cell to a subject comprising:
  10 causing an allogeneic cell to express an antigen-binding portion of an antibody that binds a
  CTLA-4 molecule on a T cell of the subject to create an engineered allogeneic cell, and
  administering the engineered allogeneic cell to the subject such that the engineered allogeneic cell is transplanted to the subject.